



WHAT USGS DOES WITH THE HELP OF THE ROCK 'N FOSSIL AND FRIENDS

VISIT THE **ROCK 'N SCIENCE CLUB** WEB SITE AT: [HTTP://SCIENCE.ROCKS.USGS.GOV](http://science.rocks.usgs.gov)

You can find out more about the **U.S. Geological Survey (USGS)** by visiting our USGS website at <http://www.usgs.gov>



THERE YOU HAVE IT . . . THE U.S. GEOLOGICAL SURVEY STUDIES THE SCIENCE OF THE EARTH!

WITH SCIENCE THERE IS ALWAYS MORE SCIENCE . . . Of course, the USGS would not be complete without chemistry, physics, math, computer science, and other cool studies in science. In fact, if you can think of a science, most likely the USGS studies it.



THE PERIODIC PENGUIN

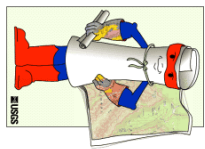


Biology The newest area of science in the USGS is **biology**, the study of living things. With the addition of biology, the USGS is a scientific agency that now studies every aspect of the Earth. From bodies of water to geologic formations . . . USGS studies the plant and animal species of our planet! Check out our frog studies at:



PLANKTON OF THE OPERA

LATI-DUDE



Cartography Cartography is the art and science of mapmaking. USGS--the Nation's mapmaker, produces a variety of maps that include: topographic maps—that describe the shape of land and define natural and man made structures like lakes, rivers, buildings and railroads; and geologic maps—in which different rock types are identified in different colors (dazzling!).

This could be your school!



THE ROCK 'N FOSSIL

Geology USGS studies **rocks** of course. But, within geology (the study of rocks), is scientific research that includes: Paleontology—the study of fossils; Glaciology—the study of glaciers; Seismology—the study of earthquakes; Volcanology—the study of volcanoes; and other cool forms of geology such as Planetary Geology—the study of planets, moons, and asteroids; and Marine Geology—the study of the rock and sediment beneath the oceans.



VOLCANO ASHLEY & EARTHQUAKE

Don't forget we study earthquakes and volcanoes! This includes the study of the theory called plate tectonics, whoa!



PLATO TECTONICS



MRS. HIPPLE RIVER

Hydrology USGS also studies **water** (hydrology). Hydrologists study the water in oceans, streams, rivers, lakes, glaciers, and even the water in soil and rocks. Since the earth is made up of over 70 percent water, there is a lot to study! AND, of course our USGS biologists study the plants and animals that live in these wet environments.

FOLDING INSTRUCTIONS

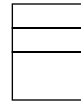
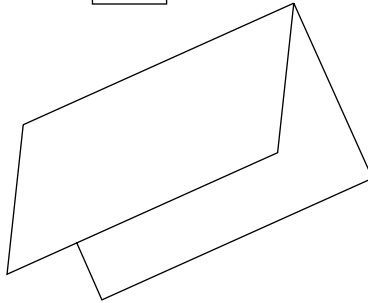
You can print out the second page of this Adobe PDF file and fold and cut according to the following instructions—collect them all!



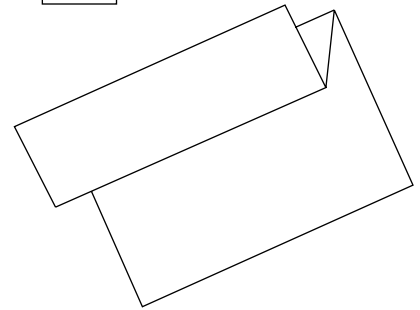
1. Start with the 8.5x11 piece of paper you printed out.



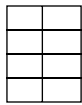
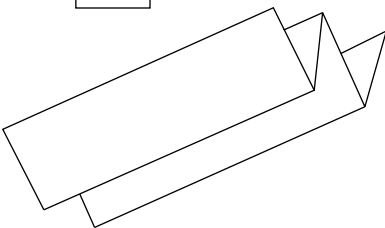
2. Fold in half shortwise, printed side out.



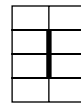
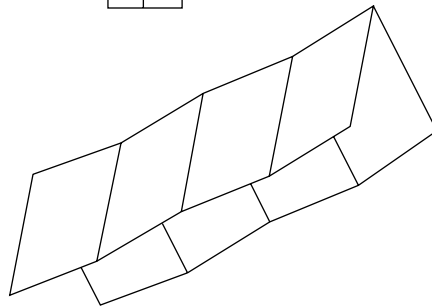
3. Fold back one edge to the middle fold.



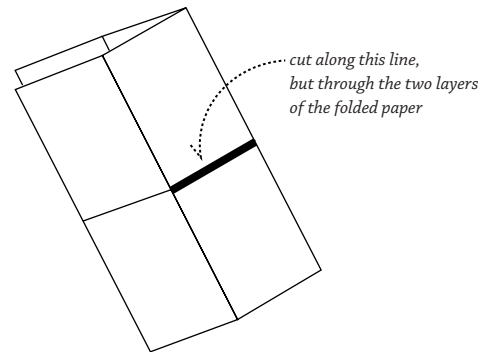
4. Fold back the other edge to the middle fold.



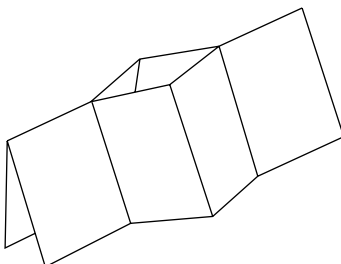
5. After unfolding the sheet, fold longwise, printed side out.



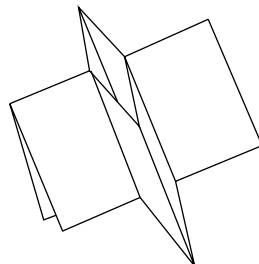
6. Refold shortwise, then use scissors to cut along the line marked here in bold.



7. Holding each end, push to the middle to open up where you made the cut.



8. Push all the way in.



9. Fold the left edge over to create the cover. Now it is a book!

